

# IKA

designed for scientists



## RV 10 auto pro V-C

/// Karta charakterystyki

The completely revised RV 10 auto is the flagship of the IKA Rotation Evaporator product line. Its impressive features include an innovative handling concept with a bright, high-contrast, TFT, color-graphic control panel, an integrated vacuum controller, cooling water monitoring and mature safety standards. The RV 10 auto offer all properties required for efficient, safe, and cost-effective operations. These include automatic control of the vacuum and cooling water volume. Its intuitive handling concept quickly leads its users to their desired results in every application. Thanks to specially designed glass guides, the transparent coated vertical condenser makes extremely efficient use of the 1500 cm<sup>2</sup> cooling surface. Thanks to its extended ramp programming capability, the RV 10 auto allows users to carry out customized procedures. Other innovative features, such as smooth start, interval mode, right-left operation in interval

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mode, or the timer function for time-lapse tests, make everyday work in the laboratory much easier. Safety is ensured by the motorized lift with safety-stop function that automatically lifts the evaporation flask out of the heating bath in the case of power failure. Additional safety for users is provided by individually adjustable temperature safety circuits, protection against boiling dry, adjustable end-point recognition to prevent glass breakage, and a locking function. The receiving flask and the condenser are also available in coated versions. The USB port or the RS-232 interface enable remote control with the IKA "labworldsoft" software package and an update option with the firmware update tool. The device comes complete with vacuum hoses and hose connectors for your in-house cooling water supply. The new IKA Vacstar digital included in the package is controlled directly from the drive unit of the RV 10 auto via the data cable provided.

- automatic boiling point detection
- integrated vacuum controller
- integrated solvent library with 40 preset solvents and expansion option
- bright, high-contrast, TFT, color-graphic control panel
- universal safety heating bath
- optimized heating bath volume for rapid achievement of working temperature
- heating bath with ergonomic handles
- temperature safety circuit
- boil-dry protection
- condenser with 1500 cm<sup>2</sup> cooling surface and low space requirements
- evaporation flasks available with coated glass
- intuitive handling concept with simple menu navigation
- programming option for up to ten individual procedures
- smooth start
- right or left rotation
- timer function
- end-point recognition
- push-off mechanism for tightly-fitting flasks
- digital interfaces: USB port and RS-232 interface for remote control
- multi-language operating system
- automatic cooling water management
- automatic ventilation
- automatic heating bath management

## Dane techniczne

Sposób chłodzenia	Chłodnica pionowa, powlekana
Powierzchnia chłodząca [cm <sup>2</sup> ]	1500
Zakres obrotów [rpm]	5 - 300
Zmiana kierunku obrotów	tak
Zakres tolerancji zadanej prędkości obr. <100 obr./min [±rpm]	1
Zakres tolerancji zadanej prędkości obr. >100 obr./min [±%]	1
Podnośnik	Silnik
Skok [mm]	140
Zakres temperatur grzania [°C]	temp. pokojowa - 180
Moc grzewcza [W]	1350
Rozdzielczość nastawy temperatury [±K]	1
Objętość napełniana maks. [l]	4
Wbudowany regulator próżni	tak
Programator czasowy	tak
Pompa próżniowa	Vacstar digital
Wymiary (szer. × wys. × gł.) [mm]	500 x 430 x 440
Ciężar [kg]	18.6
Dopuszczalna temperatura otoczenia [°C]	5 - 40
Dopuszczalna wilgotność względna [%]	80
Klasa ochrony wg DIN EN 60529	IP 20
Interfejs RS 232	tak
Interfejs USB	tak
Wyjście analogowe	tak
Napięcie [V]	100 - 240
Częstotliwość [Hz]	50/60
Zasilanie [W]	100
Zasilanie (w trybie gotowości) [W]	3.3